

Claims

1. An indicator lighting device characterized in having an indicator which has a translucent indication portion and a light introduction portion and is operated around an axis by a drive shaft of a drive unit, light sources which are disposed around the drive shaft and illuminate the indication portion through the light introduction portion; wherein the light introduction portion has a light receiving surface for receiving light from the light sources, a first reflective surface for focusing the light introduced from the light receiving surface to a rotation axis position of the drive shaft, a second reflective surface which is formed between the first reflective surface and the drive shaft and reflects the light from the first reflective surface in a direction along the rotation axis, and a third reflective surface which is formed on the rotation axis in a way of facing the second reflective surface and reflects the light from the second reflective surface in a longitudinal direction of the indication portion.
2. An indicator lighting device according to claim 1 characterized in that the light receiving surface is formed in an annular form surrounding the rotation axis, and the first reflective surface and the second reflective surface are formed in a conical or polygonal shape surrounding the rotation axis.
3. The indicator lighting device according to claim 1

characterized in that the light introduction portion has a part having a reverse-V-shaped section that is line-symmetric with the rotation axis as a reference, the first reflective surface is formed on an outer wall face of the part while the second reflective surface is formed on an inner wall face of the part, and the third reflective surface is positioned at a front side of the first and second reflective surfaces.

4. The indicator lighting device according to claim 1 characterized in that the light introduction portion has a part having a reverse-W-shaped section that is line-symmetric with the rotation axis as a reference, the first reflective surface is formed on an outer wall face of the part while the second reflective surface is formed on an inner wall face of the part, and the third reflective surface is positioned at a rear side of the first and second reflective surfaces.

5. The indicator lighting device according to claim 1 characterized in that both the indication portion and the light introduction portion are formed by combining translucent, separate components.

6. The indicator lighting device according to claim 1 characterized in that the light introduction portion is connected to the drive shaft via a connection member.

7. The indicator lighting device according to claim 1 characterized in that a display panel is disposed behind the indicator, the light introduction portion is located at the

front of the display panel together with the indication portion, and the periphery of them is covered with a cover having a light shielding effect.